

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220
21581 WO-Bur	ACTION		l as, where applicable, item 5 below.
International application No.	International filing date (day/moni	h/year)	(Earliest) Priority Date (day/month/year)
PCT/EP2004/000729	28/01/2004		29/01/2003
Applicant			
ROCHE DIAGNOSTICS GMBH			
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Sea	rching Auth	nority and is transmitted to the applicant
This International Search Report consists	of a total ofsh	ets.	
X It is also accompanied by	a copy of each prior art document of	ited in this	report.
language in which it was filed, unit	ess otherwise indicated under this i	em.	sis of the international application in the
this Authority (Rule	search was carried out on the basis e 23.1(b)).	of a transla	ation of the international application furnished to
b. X With regard to any nucleo	tide and/or amino acid sequence	disclosed	in the international application, see Box No. I.
2. Certain claims were four	nd unsearchable (See Box II).		
3. Unity of invention is lack	ing (see Box III).		
4. With regard to the title ,	•		
X the text is approved as sub	omitted by the applicant.		
the text has been establish	ed by this Authority to read as follo	ws:	
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5. With regard to the abstract,			
X the text is approved as sub			
may, within one month fron	ed, according to Hule 38.2(b), by the the date of mailing of this internat	is Authority onal searc	y as it appears in Box No. IV. The applicant h report, submit comments to this Authority.
6. With regards to the drawings,			
a. the figure of the drawings to be pu	blished with the abstract is Figure !	lo	·
as suggested by th			
	Authority, because the applicant fa		
	Authority, because this figure bette published with the abstract.	r character	izes the invention.
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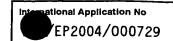


emational application No.

PCT/EP2004/000729

a. ype of material X a sequence listing X table(s) related to the sequence listing b. format of material X in written format X in computer readable form c. time of filing/furnishing X contained in the international application as filed filed together with the international application in computer readable form turnished subsequently to this Authority for the purpose of search in addition, in the case that more than one version or copy of a sequence listing and/or table relating to or furnished, the required statements that the information in the subsequent or additional copies is ide application as filed or does not go beyond the application as filed, as appropriate, were furnished. Additional comments:	
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b. format of material X	
in written format in computer readable form c. time of filing/furnishing it contained in the international application as filed filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search In addition, in the case that more than one version or copy of a sequence listing and/or table relating to or furnished, the required statements that the information in the subsequent or additional copies is ide application as filed or does not go beyond the application as filed, as appropriate, were furnished. Additional comments:	
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07H21/04 C01D5/00

C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{C07H} & \mbox{C01D} & \mbox{C12Q} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GRUNAU C., CLARK S.J., ROSENTHAL A.: "Bisulfite genomic sequencing: systematic investigation of critical experimental parameters" NUCLEIC ACIDS RESEARCH, vol. 29, no. 13, 2001, pages e65-1-e65-7, XP002241346 Oxford cited in the application page e65-2, left-hand column "deamination"; page e65-3, table 1, entry 5 and 6	8,11 1-7,9, 10,12-14
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.				
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance Section document but which had been decided as the considered to be of particular relevance.	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention				
 "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 				
Date of the actual completion of the international search 13 May 2004	Date of mailing of the international search report $07/06/2004$				
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer				
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hennard, C				





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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N	io.
X	PAULIN RICHARD ET AL: "Urea improves efficiency of bisulphite-mediated sequencing of 5'-methylcytosine in genomic DNA"	8,11	
	NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 26, no. 21, 1 November 1998 (1998–11–01), pages 5009–5010, XP002210104 ISSN: 0305–1048		
	cited in the application page 5009, right-hand column		
X	CLARK SUSAN J ET AL: "High sensitivity mapping of methylated cytosines" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB,	11	
	vol. 22, no. 15, 1994, pages 2990-2997, XP002210107 ISSN: 0305-1048 cited in the application page 2991		
Α .	US 4 844 880 A (BEAN SAMUEL L ET AL) 4 July 1989 (1989-07-04) column 4, line 62 - column 5, line 19	1-14	
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ſ	International Application No
	EP2004/000729

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Patent document cited in search report		Publication date	Patent fam member(,	Publication date	
US 4844880	Α	04-07-1989	NONE			